CITY OF MIAMI BEACH
COMMISSION ITEM SUMMARY

Condensed Title:

A Resolution of the Mayor and City Commission of the City of Miami Beach, Florida, authorizing the issuance of the Request for Proposals (RFP) for the procurement and installation of new multi-space [parking] pay stations.

Issue:

Whether to approve the issuance of a Request for Proposals (RFP) for the procurement and installation of new multi-space [parking] pay stations for the Parking Department?

Item Summary/Recommendation:

The Parking Department has field tested the multi-space [parking] pay station technology with a leading vendor in the industry (Schlumberger) for a 90 day period at no cost to the City. The results of the 90 day field test have on all accounts been deemed successful. Public acceptance of this technology was surveyed with favorable results averaging a 76% approval rating over single space parking meters. Furthermore, there are increased operational efficiencies, improved customer convenience via multiple payment options, and improved aesthetics by the use of this technology. A comparison in revenue generation yielded a 16.9% increase in revenue for this period as compared to last year.

The Administration recommends that the City Commission authorize the issuance of a Request for Proposals (RFP) for the procurement and installation of new multi-space [parking] pay stations.

Advisory Board Recommendation:

Endorsed unanimously by the Transportation and Parking Committee on May 13, 2003.

Financial Information:

Amount to be expended:

Source of Funds:

Finance Dept.

	Amount	Account	Approved
1			
2			
3			
Total			

Sign-Offs:

Department Director	Assistant City Manager	City Manager
SF	CMC	JMG

AGENDA ITEM C7F

DATE 5-21-03

CITY OF MIAMI BEACH
CITY HALL 1700 CONVENTION CENTER DRIVE MIAMI BEACH, FLORIDA 33139
www.ci.miami-beach.fl.us

COMMISSION MEMORANDUM

To: Mayor David Dermer and Members of the City Commission

Date: May 21, 2003

From: Jorge M. Gonzalez JMG FOR City Manager

Subject: **A RESOLUTION OF THE MAYOR AND CITY COMMISSION OF THE CITY OF MIAMI BEACH, FLORIDA, AUTHORIZING THE ISSUANCE OF A REQUEST FOR PROPOSALS (RFP) FOR THE PROCUREMENT AND INSTALLATION OF NEW MULTI-SPACES [PARKING] PAY STATIONS.**

ADMINISTRATION RECOMMENDATION

Adopt the Resolution.

ANALYSIS:

In our continued effort to improve [parking] services to residents and visitors alike, the Parking Department is recommending the phased implementation of multi-space [parking] pay stations. One of the Administration's goals is to enhance customer convenience of government services. The City's Parking Department in conjunction with Schlumberger Industries established a ninety (90) day trial period (January 22, 2003 through April 21, 2003) at no cost to the City. Two locations were selected as test sites for an on-street and off-street application. The on-street application was tested on Ocean Drive between 7th and 10th Streets and the off-street application was tested at Municipal Parking Lot 5M, located at 777-17th Street.

The results from the test period have been successful. The application of this technology provides various conveniences as well as improvements to the existing technology. The following are some examples:

Increased Revenues

An increase in revenue of 16.9% was realized when comparing the same period this year versus last year. This increase is attributed to two factors: (1) increased payment options (coin, currency, and credit card) and (2) Zero Time Effect (unused time from the previous patron is not available to the next user).

Public Acceptance:

Two (2) surveys were conducted. Each surveyed users for seven consecutive days at two different points in the 90 day test period which were the week of 2/1/03 and 3/1/03. The survey results yielded an acceptance level 83% and 69% during each respective week.

Improved Aesthetics:

Multi-space meters service between eight and twelve on-street spaces and up to 30 off-street parking spaces. This improves the overall aesthetics by reducing the number of parking meter posts required for conventional single or double space parking meters.

Increased Customer Convenience

Multi-space meters provide enhanced convenience by providing multiple payment options, in the form of coins, bills, and credit cards (specifications will require acceptance of the City of Miami Beach Parking Smart Card). Currently, conventional single space parking meters accept either coins or the City of Miami Beach Parking Smart Card.

Increased Operational Efficiencies

Parking Meter Collection:

Single Space Meter:

Parking meter collection is a contracted service at a unit price of $0.49 per meter collected. The current contract with APCOA/Standard provides for an increase or decrease of up to 25%, based on 9,200 meters.

Multi-Space Pay Stations:

APCOA/Standard would continue to provide parking meter collection services including the multi-space pay stations at the same rate; however, multi-space pay stations have a ratio of spaces to meters of 8:1 in an on-street application and 30:1 in an off-street application. Conservatively, there would be a $65,000 savings meter collection costs.

Parking Meter Maintenance:

Single Space Meter:

Parking meter maintenance is currently an in-house function of the Parking Department comprised of ten (10) parking meter technicians, two supervisors, and one operations manager. The current ratio of technicians to meters is 833 TO 1.

Multi-Space Pay Stations:

The initial phase of the phased implementation of the multi-space pay stations would result in a conversion of approximately 25% of the existing single space meter inventory. A conversion of 25% of the single space meters to multi-space pay stations is estimated to yield an annual cost savings of $127,000 in labor and parts. This savings is attributed to:

1. A $99,000 savings in the reduction of the workforce through the attrition of two parking meter technician positions (one of which is already vacant) and one supervisory position.
2. A $28,000 savings in the reduction of parts and materials.

Note: The multi-space pay station request for proposals (RFP) requires the successful proposal to provide a five (5) year warranty period for labor and parts from the date of installation.

Existing Single Space Meter Inventory:

The single space meter lease-purchase is in the fifth and final year of its term. A $1.00 payment at the end of the lease term will finalize the purchase of the existing system. The existing system has been efficient and productive; however, the multi-space pay station system offers increased convenience, particularly for high demand on-street and off-street applications. It is the Administration's position that the single space meter will not be completely phased out. Initially, 25% of the single space meter inventory is scheduled for conversion. The balance of the system shall remain single space meters until the initial phase is completed and deemed successful. The two areas slated for conversion are the Art Deco District and the Lincoln Road area. Additionally, the scope of services provides for the successful proposer to provide a credit for the single space meter inventory as part of the conversion process to recoup part of the City's investment in the existing system. In the case, that the City deems that the credit is not in its best interest, the single space meter mechanisms would be cannibalized for parts and the City would still realize a cost savings in parking meter parts.

The Administration has developed the following scope of work, technical specifications, system requirements, and assessed the numerous software products currently on the market in order to formulate a comprehensive package that will address all of the Department's needs. The following are the general system requirements:

The City of Miami Beach "CMB" requests information for procurement and installation of new electronic multi-space-pay-stations and associated supplies. Our goal is to find, purchase, and install a system that will do the following:

SCOPE OF SERVICES

A. General Specifications

The City of Miami Beach "CMB" requests information for procurement and installation of new electronic multi-space-pay-stations and associated supplies. Respondent shall provide the

metal thickness, height, width and depth in inches and the weight in pounds of machines (with and without pedestals). Respondent shall also include brochures and manufacturer's specifications for all requested items. Machines **shall** meet or exceed National Institute of Standards and Technology Handbook 44, Sec. 5.55, and Florida Department of Agriculture, Division of Weights and Measurements specifications and regulations on metered parking. All submissions must be in compliance with standards set forth by the National Institute of Standards as referenced and incorporated herein. Machines must remain fully functional in abnormal street conditions like excessive heat (Internal Operating Temperature of 0 °F to 140 °F), humidity, rain, hail, grime, vibrations etc. All machines shall be constructed with new and unused, rugged materials and meet "Year 2000" compliance requirements.

Respondent must explain how its computer network processes the flow of magnetic stripe and/or smart card information from the pay stations to and from the bank or electronic financial transaction authorization network. Respondent must describe, in detail, all of the equipment they propose to use. Respondent must also describe in detail its plan for pay station auditing and reconciliation procedures that track electronic revenues from the pay station to the financial clearinghouse. The clearinghouse system must conform to International Standards Organization (ISO) standards for authorization messages. The ISO standards, as amended from time to time, are deemed as being incorporated by reference herein.

Respondent shall use a local distributor to provide support for initial installation, training, parts and warranty service. "Local" is defined as close enough to Miami to provide twenty four (24) hour responses to software and hardware requests without requesting travel reimbursement.

For newly installed units, CMB personnel will install the base and the local distributor will supply a fully operational pay-station at the CMB selected location. CMB will take possession of new units at the point of installation.

When the machine is configured as pay and display, the customer inserts the payment required to purchase the desired amount of time up to the maximum time limit. Payment may be made by a combination of coins, bills, credit or smart card. An internally printed receipt is provided displaying date, expiration time, transactions amount paid, pay station identification number and a unique receipt identification number. At any stage of the purchase, a cancel option shall be available to allow the customer to retrieve the funds, if the customer wishes to terminate the transaction.

When the machine is configured as pay by space, the customer starts the transaction by entering the space number, inserting the payment required to purchase the desired amount of time up to the maximum time for a particular space. Payment may be made by a combination

of coins, bills, credit or smart card. At any stage of the purchase, a cancel option may be available to allow the customer to retrieve the funds, if the customer wishes to terminate the transaction. The pay by space machine shall provide an enforcement report showing space status, expired or paid by space number and negative time (time since paid time expired). An internally printed receipt is provided displaying date, expiration time, transactions amount paid, space number, pay station identification number and a unique receipt identification number.

B. Basic System Requirements

Systems must be capable of functioning as a single unit or operate in a networked environment. Systems shall be supported by an IBM compatible PC and Windows 2000/XP compatible software package. The software will facilitate the management of communications, rates, maintenance, collections and audit functions. Machines must be able to run off solar and AC power supply with standard locally procured batteries. During power outages, all machines will operate in a stand-alone capacity and store accumulated data in memory. A separate backup battery must be supplied to sustain the clock, calendar, audit information and RAM in the event of a main backup system failure or during battery replacement. Machines shall complete a minimum of 200 transactions on back-up power, without error. Machines shall have optional language capability for display and verbal commands. Machines shall display specific 'out of order' conditions and should operate with the malfunctioning status, until serviced.

C. Customer Operation

The pay stations shall operate with coins, tokens, bills, and credit/debit/smart cards in such a manner that those customers following simple printed, digital and/or verbal instructions complete transactions quickly. Instructions should tell the customer what to do first, and then lead them through the transaction in approximately 45 seconds. The last mandatory instruction for the pay and display machine shall be to advise the customer to display the receipt on the vehicle dashboard. The last mandatory instruction for the pay-by-space shall be to advise the customer to take the receipt.

D. Currency Accepted

In either On-Street or Off-Street applications, Machines must accept US currency in denominations of $1, $5, $10, & $20 bills, two types of tokens, nickels, dimes, quarters, "SBA" and "Gold" dollar coins, magnetic striped credit cards with and without embedded Smart Card chips and the City of Miami Beach Parking Smart (Debit) Card. Respondents are responsible to ensure system compatibility with current debit parking card system.

E. Housing and Pedestal

Respondents shall state the specifications of the pedestals and housings, specifically including tensile strength and gauge of metal. Meters shall be securely mounted in a concrete base, and should only be installed or removed from inside the housings so that no mechanical fasteners

are exposed. The entire meter mechanism shall be enclosed in a durable, weather resistant housing constructed of corrosion resistant non-brittle metal of such thickness as to resist tampering or abuse. The housing shall be constructed of a minimum of 4-gauge steel. Paint shall be high quality and weather resistant, and shall provide a tough, scratch-resistant and easily cleaned surface. When installed, Meters shall meet applicable ADA requirements. Internal humidity shall be controlled utilizing a fan or other proven means. The Housing shall have door alarm sensor set to activate when the front door is opened 1/8" or more. Housing includes high security multi-point locking bar. Housing locks shall be high security locks keyed with a proprietary combination developed exclusively for the City of Miami Beach.

Machines shall have separate compartments for maintenance and collections. Areas surrounding the coin box shall be armored to provide additional security. There shall be no access to the money in the cash box when the upper or lower housing is opened for maintenance or collection.

Machines shall be weather resistant and have a graffiti resistant coating. Unit must also have a double zinc primer. A stainless steel housing is preferred, but if the unit is painted or coated, Respondents must provide a:

- Description of the advantage of paint or coating compared to stainless steel.
- Description of available colors and materials used, including Materials Safety Data Sheet (MSDS).
- Proposed schedule for repaint, resurface or recoat under normal use.

Respondents must provide a description of their product housing, including materials and thickness, and how the design secures the unit against attempted theft.

Color, logos and printed instructions will be specified by the CMB at time of issuing a Purchase Order or at a later date.

1. Upper Housing

   Machine apertures such as, but not limited to, the coin return, receipt dispenser and card reader must be designed and/or shielded to discourage vandalism, insertion of foreign material or other efforts to deliberately jam the unit. Aperture design should prevent damage from the insertion of any type of commercially available pyrotechnic device. All coin and card aperture locations must be compatible with Americans with Disabilities Act (ADA) requirements - the centerline of controls shall be no more than 42 inches (1,065 mm) above the pedestrian access route. Controls and operating mechanisms shall be operable from the pedestrian access route with one hand and shall not require tight grasping, pinching, or twisting of the wrist. The force required to activate controls shall be no greater than 5 pounds. Instructions, such as rates and hours of operation, shall be displayed on the front vertical surface of the meter.

2. Lower/Upper Housing

   All locks shall be high security locks with anti-drill protection. Separate keys shall be available to prevent maintenance personnel from accessing the collection area and vice versa. Respondents shall describe how electronic locks can be integrated into each unit in the cash box access doors and provide a separate price on the price proposal sheet.

3. Access Doors

   Machines shall have vandal resistant doors with internal or recessed hinges. All mounting assemblies must have vandal resistant hardware.

4. Cash Box

   Collection shall be performed via a portable cash box system. The cash box shall be strong, lightweight and manageable. During normal operations, a closed coin path shall direct coins to drop into a locked cash box. The collector shall not have access to the coins in the cash box during the collection process. Each cash box shall be equipped with a self-locking mechanism activated when the coins are removed from the unit. Successful vendor shall supply one (1) or two (2) cash box(es) per unit, depending upon vendor's explanation of the cash box system. The following security measures, although not limited to, shall be included with each cash box:

   - The cash box shall have the ability to be sealed with an external seal.
   - The cash box shall have a security locked keyed system separate from the Machine's other compartments.
   - The cash box shall have a handle for easy handling.
   - Machines will provide a transaction report via wireless two-way communication at the time of collection, showing date, time, and cash box audit amount.
   - Cash box should hold a minimum of $600 worth of U.S. coins.
   - Machines will retain all audit information at time of collection for at least the last two (2) collections, where it can be retrieved via wireless, two-way communications and a hand held unit.
   - Machines will also print audit report when cash and/or coin box are removed.

F. Installation Pedestal

The cross section dimensions of the pedestal shall not exceed 17 inches (432 mm) on each side. Each Machine shall come complete with base installation kit. Each Machine shall include all anchors, bolts, plates, etc., needed for a complete installation. Machines shall be designed for and be equipped with all necessary items needed to complete the installation free standing with its own supplied pedestal. Respondents shall provide installation drawings and specifications.

G. Service Door

Respondents shall state the specifications of all doors and locks. Meter housings and service doors should be made of minimum Eight (8) gauge high tensile steel. Service doors shall have continuous interlocking mechanisms with internal hinges. All locks shall be high security type. Key blanks shall not be commercially available. Meters must be vandal resistant. The City of Miami Beach may contact Respondent's references to evaluate the vandal/security record of proposed meters. By submission of a response to this RFP, Respondent waives any claim against the City of Miami Beach due to any action taken or not taken related to information gathered from Respondent's references and/or other referrals.

H. Display

Pay station displays shall be backlit and shall be protected by Lexan windows, or equivalent material. The display shall be easily readable under various daytime and nighttime lighting conditions. The display should be capable of displaying different fonts and styles of characters on the same screen. The display should use U.S. date style (MM:DD:YY) and time (HH:MM AM/PM). The display should be able to accommodate custom messages. Graphics, graphic design, and screen format should be updateable through the supplied desktop software package and downloadable to individual or multiple units via two-way communication or backup hand held unit. Respondents shall describe the capabilities of the display screen used in their pay station.

The display shall indicate unit status when maintenance code is entered. Each Message and Warning should have the following options:

- Display
- Do not display
- Displayed within time/date frame

Machine display should include time of day, increments of payment – amount entered and time purchased and an indication of total time remaining after the transaction is completed or the time of day when the amount of time paid for will expire. Respondents shall explain language choices available for display and how language(s) are selected.

The display must also indicate all necessary operating status messages to users and repair personnel. Machines should offer the following messages or appropriate equivalents:

- Coin Only – if the card slot is inoperable.
- Card Only – if the coin slot is inoperable.
- Error – if the card is inserted improperly.
- Insert Card – if the card is not inserted in timely manner.
- Reinsert card- if card is inserted the wrong way.
- Out of Order – if both the coin and card slots are inoperable

Machine display layout and functionality is subject to approval before delivery.

I. External Instructions and Buttons

Meters shall have user-friendly instructions and durable, programmable selection buttons. Instruction panel shall provide customized visual indications and text.

J. Receipt Slot

The receipt shall be presented at a convenient height and sheltered from wind and precipitation. It must meet all ADA requirements.

K. Electrical and Electronic Components

The sub-assemblies of the meters shall be modular in construction to provide easy servicing through on-site plug-in replacement of parts. All electronic connection plugs shall be of the best quality. All assemblies shall be electronically grounded and compliant with local codes for electrical/electronic equipment. All units must have a surge protection in place. Respondents must provide specifications for all components.

All circuit boards and internal components are to be environmentally sealed, highly water-resistant and operate in conditions of over 95% humidity. Wiring shall be secured so as not to

become entangled in the door mechanism when the door is opened. The sub-assemblies of the pay stations shall be modular in construction to provide easy servicing through on site plug in replacement of parts. Respondents shall explain how unit components are protected from moisture, dust, lightning, adverse weather, and other factors that might cause an operational failure of a component or the Machine.

All electronic connection plugs shall be of the best quality and shall be designed to clearly identify both halves of each plug to prevent deliberate or inadvertent reversal of the plug, and include retaining clips to ensure a continuous, positive connection between the two halves of the plug. Plugs shall be color-coded to prevent deliberate or inadvertent connections of incompatible components. If Respondents do not provide plugs with color-coding and retaining clips, Respondents shall explain how alternatives will ensure a continuous, positive connection for components and avoid deliberate or inadvertent reversal of the plug.

L. Alarm

Shall have a minimum of 100-decibel local, Vibration/Tilt/Tamper alarm installed, with an alarm to P/C, and automatic alarm paging capabilities.

Machines shall be able to send warnings via wireless for all of the following reasons, within 30 seconds of each occurrence:

- Cash box status
- Alarms (Vibration/Tilt)
- Attempted theft of Machine
- Machine out of order
- Open door
- Paper supply low
- Low battery
- Power failure
- Machine is working properly or any other related maintenance items
- Card reader out of order
- Coin chute jammed
- GPS alarm system

Respondents may describe other warning capabilities that may be available on their product. Machines must have built-in diagnostics software that records and stamps date and time of all operations events (warnings, machine failures, resets, low battery, maintenance functions, etc.) for reports to the communications center.

M. Bill Acceptor

Machines shall accept any combination of the following denominations of currency: One, five, ten and twenty-dollar, including the newly issued formats for five, ten and twenty dollar bills.

The bill denomination acceptance shall be programmable. The bill acceptor will be capable of accepting new versions of U.S. bills through simple software updates. It shall accept bills in any possible direction. The bill acceptor should accept 98 percent of valid and serviceable bills. In the event of rejection, the bill shall be returned to the patron. Currency accepted by the meter shall be stored in a locked container that is not accessible from the maintenance

section of the meter. The bill container shall have a capacity of approximately 600 bills and shall be protected by a locking system only allowing access to the bills with the correct key. When the bill container is removed for collection it shall automatically lock, securing the contents. The removal of the container shall trigger the recording of an audit report specific to the bill collection. This report will be printed at the site of and at the discretion of CMB.

Machine will transmit an alarm via wireless every time container is removed. It must also transmit all audit information via wireless, as well. The bill acceptor shall be easily removed for servicing or replacement. The acceptor slot should have a plastic cover to prevent weather interference.

N. Smart (Debit) Card/Credit Card Operation

Respondents must provide a card reader system that reads and accepts approved magnetic striped credit cards with and without embedded Smart Card chips and the City of Miami Beach Parking Smart (Debit) Card. Respondents are responsible to ensure system compatibility with

current parking card system. Alternatively, Respondents must provide the City of Miami Beach with a card that MPA can purchase from Provider and that has the capability to work with our current Parking Meter Program. Respondents shall inform CMB of the price for the cards. Respondents must identify and itemize all supporting equipment to support in-house operation and maintenance of a credit/stored value card system. Credit card transaction data shall be batched and sent to a remote server for processing as per CMB established communications media. On-line transactions may be considered based on software capabilities to set purchase limits. Respondent's system shall also have the ability to prepare and load lists of credit cards that the machine will not accept "black lists" via CMB established communications. The machine will maintain the black lists for off-line operation. Respondents must provide a number of cards that can be "black listed", and number of cards Machine can store in memory.

O. Credit and Smart Card Reader

The unit shall contain a dual credit card and smart card reader capable of reading magnetic stripe and smart memory and microprocessor cards. If the card slot is jammed (inoperable), the machine should still accept coin and/or bill forms of payment. Unit card readers shall be equipped with SAMs capable of accepting multiple smart card schemes, such as MasterCard and Visa. These programs will include the concept of cooperative use of cards among pay stations, single space meters, access equipment in CMB garages, the Electrowave (shuttle circulator system), and transit fare boxes and could be used for more than just parking payments.

P. Coin Acceptor

The coin acceptor shall be electronically operated and shall register approximately 98% of valid coins. Coin registration should be locally programmable by CMB personnel. As each coin is inserted and passes through the coin acceptor, its value and time purchased is registered on the display. The machine shall then record the transaction and secure all coins in a locked coin compartment. Coin recognition shall include nickels, dimes, quarters, dollar coins and tokens. Rejected coins/tokens, slugs shall be immediately returned via the coin return outlet. There shall be a prompt means to clear bent coins and counterfeit material that may jam the coin acceptor. Coin acceptor must have an anti-pull back mechanical feature in coin chute.

Machines shall contain an automatic coin shutter, which will open for coin insertion, but not for plastic, wood, cloth, and all non-metal objects. The coin validator shall be able to reject foreign coins and slugs. Machines shall not allow any tampering with its internal functions, to prevent any time to be given in any manner, other than the insertion of a valid coin/token, bill, or card. Machines shall prevent coin validation by means such as a coin attached to a string or by other removable device(s). In addition, Machines shall be able to accept at least 4 different user defined coins through software parameter change only. Rejected coins are to exit the unit through coin return. Machines shall have a built-in feature that prevents coin and debit card transactions used for testing purposes from registering in the total revenue register. The coin slot shall have means to prevent insertion of foreign objects (i.e., non-metallic objects or objects of smaller mass than small coins). All coins shall be accepted through a single slot. Removal, replacement, or repair of the coin slot should take less than two minutes. The coin

slot must meet all ADA requirements. If the coin slot is jammed (inoperable), the machine should still accept bills, credit, or smart card forms of payment.

Q. Printer and Receipt Paper

Meters shall utilize thermal printers (no ribbons) with limited moving parts and with immediate access for cleaning the paper path. The printer shall be easily removed for servicing. Printer intensity should be adjustable. Dual printer capability should be installed. Printer paper roll/stack shall be capable of dispensing a minimum of 4,500 receipts per roll/stack. The printer should utilize thermal paper capable of not turning black up to 140°F. The printer shall initiate a low paper alarm when paper is low. Receipt paper shall be a continuous single roll or stack of direct thermal printed-paper. Receipts shall print within ten seconds and shall have a high degree of quality and legibility. They must remain legible after remaining inside a vehicle in direct sunlight for 24 hours. Respondents shall state the approximate number of customer transactions per roll or stack of receipt paper. Receipts shall be available with custom printing/graphics and shall, at a minimum, contain the following:

- Fee paid
- Transaction date and time
- Parking date and expiration time
- Machine number and location
- Rate
- Sequential number
- User programmable area
- A message indicating appropriate side of receipt to display

R. Transaction Storage and Processing

All transactions shall be stored in a "password protected" secure database file format with authorized user import/export capability. Respondents shall state any methods of encryption or other security measures taken. All credit card transactions shall be stored and secured in a format compatible with standard credit card payment systems (Visa/MasterCard). Transactions shall be tracked and identified via sequentially numbered series. Transactions, diagnostic data and security access exceptions shall be stored in separate and protected memory areas in nonvolatile memory. This data shall not be manipulated with system software. System power loss shall not cause the loss of transaction history. Respondents shall state the average number of transactions capable of being held in memory before overrun occurs. Transaction history shall include individual, hourly, daily and monthly transactional history reports. The system shall utilize a minimum of three transaction-processing modes, on-line, networked, and off-line.

S. Processor Software

The processor software shall provide for the following functions:

- Credit card/CMB Parking Smart (Debit) card processing

- Currency handling
- Two tokens provided by CMB
- Customer interface
- Enforcement user interface
- Local database management
- Network access
- Power management
- Printer interface
- Security
- Terminal diagnostics

T. Real Time Clock

The meters shall be equipped with a programmable time of day clock that is accurate to 30 seconds per month. The clock shall operate continuously and shall also track the year, month, day, and day of the week. The meters shall automatically adjust for daylight savings time. The clock will remain operational during battery changes and power losses.

U. Power Management

Machines shall have the capabilities to run on 110-120VAC at 60 Hz and solar as required by CMB. Respondents shall state battery configuration (type, size, voltage, location and number), normal battery field life and expected transactions when running on battery only. Respondents shall state the following:

- Solar and AC Machines run primarily on battery, and solar and/or AC is used to charge the battery.
- Solar and AC Machines run primarily on solar and/or AC, and the battery is the backup power source.

V. Solar Power Supply

The solar powered machine must have the capability to complete at least two hundred (200) transactions per day without requirement to recharge the battery.

The solar panel must be mounted on top of the machine or be relocated to suitable mounting location. Respondents must provide separate warrantee information for solar panels.

W. Rates

The rate structure shall be managed by a microprocessor and shall be programmable via a CMB programmed Smart Card, Hand-Held computer, PDA or downloaded from a CMB controlled site. The rate structure shall, at a minimum, allow the following:

- Progressive, regressive or flat rates
- Different rates according to time of day or day of week

- No charge or reduced charge on special days
- Programmable minimum and maximum time periods
- Specified amounts of time for a given coin/token

X. Reports

Desktop reports shall be available to system managers by form fill queries or simple queries. Respondent shall provide samples of reports along with their proposals. The reports software should provide report capability on all information gathered. Report properties shall be user definable. They shall contain the following:

- Accumulative totals of all cash and card transactions
- All alarms
- All Maintenance transactions
- Maintenance activity by location number
- Maintenance activity and operational status
- Maintenance activity by type
- Date and time of collection
- Identity of collector or technician
- Machine identification
- Machine location
- Sequential collection number
- Total amount of money in the collection
- Total card usage
- Total cash in bill container
- Total cash in coin container
- Revenue by location number
- Revenue by collection area
- Revenue by maintenance route
- Total number of tickets issued
- Total number, value, and type (credit card and/or stored value card) of card transactions.
- User log on history and activities
- Exception report for units not repaired
- Operational status by unit
- Daily collection report with location numbers and audit
- Exception report for units not collected

Y. Inventory

- Current location by unit number
- Location by collection area
- Location by maintenance route
- Location by rate
- Location by enforcement hours

- Location by type (truck loading, no parking, time, bus, taxi and police zones, etc)

Data and reports shall be exportable electronically to external database or spreadsheet software.

Z. Communication/System Management Software

Machines shall be capable of wireless two-way communication to a remote communication center to transmit financial and activity reports and unit status. Respondents must describe, in detail, its plan for pay station auditing and reconciliation procedures that track electronic revenues (magnetic stripe and/or smart card) to and from the pay station to the financial clearinghouse. The clearinghouse system must conform to International Standards Organization (ISO) standards for authorization messages. Respondents must describe, in detail, all of the equipment they propose to use and the security measures employed to protect data access and integrity. Access to CMB data shall be secured, at a minimum, by password protection and shall include multi-level access control.

Respondents shall explain, in detail, how their wireless two-way communication system works, including technical (components, frequency, etc) and practical (on line, real time status) elements.

All desktop software shall be Windows 2000 XP compatible. All databases shall be 2000 compliant. The software must supply reports for revenue, maintenance, and/or space usage.

Information that must be transmitted includes, but is not limited to:

- Cash box status (lower limit warning when coins reach a programmable amount and an upper limit warning when the Machine shuts down)
- Alarms (attempted theft of Machines, Machine out of order, door open, out of paper, etc.)
- Management data consisting of purchase of time (occupancy), time bought intervals (duration), type of transactions (coin and card with amounts paid) etc.

1. Machines shall:
    a. Retain financial information even after transmission to ensure no loss of data. It shall record and store the number of valid coin and card transactions and shall be accurate to 98% of actual deposits.
        i. Transmit data to remote communication center cash box status
        ii. Management data (occupancy, duration, etc.)
    b. Make multiple attempts if reception of the transmission is not confirmed by the communications center
    c. Contain sufficient memory to store transmitted data (bad card list, etc).
2. The communication center shall:
    a. Make multiple attempts if card payment does not clear
    b. Transmit expired/invalid card lists to units via two-way communication

c. Group units for common messaging
    i. Assign Machines to predetermined groupings
    ii. Parades and other community events

Respondents shall explain average time of repair and audit transactions, under normal operating conditions, for both wireless, two-way and hand held communication.

AA. System Management Software

The System management software shall be Windows 2000/XP compatible and configurable in a single-station and/or networked fashion. It should be intuitive, convenient, and easy to use. Data stored in the software package shall be designed to allow for the easy import and export of all necessary data to fully integrate the system into other data base systems. These and all features of the software must be password controlled with access levels assigned by the City

of Miami Beach designated System Administrator. State all Methods of Encryption and other software security features. The System Host/Desktop Management Software should:

1. Allow user to select options at the end of a rate period to include; allow/not allow purchase of time exceeding the shift/rate maximum, allow/not allow purchase of time elapsed at the end of a rate/shift period, allow/not allow user to purchase time through a specified shift down time at no charge, allow/not allow purchase of time through a closed day at no charge.
2. Allow the user to select the rate for each individual day and have the ability to designate a day closed, or "free parking" day.
3. Allow user to configure a secondary daily rate structure to be activated by a specified day.
4. Allow time to be purchased at a minimum of in 15-minute blocks or by the minute.
5. Include at least 6 rate tables for editing.
6. Include a minimum of 3 shifts per rate table.
7. Rate tables allow user to select from the following options; select the time of day that each individual shift will begin, set the maximum amount of money that will be accepted in a given shift, set the expire time of a given shift, allow the purchase of multiple days, allow multiple day purchases to be either 24 hours from purchase date or 24 hours from expired time of a shift, allow for a period of time during a shift that the system will shut down, able to set a per minute rate, able to select the number of 15 minute blocks per hour and the rate to be charged for the 15 minute blocks, and is able to automatically print a receipt.
8. Allow rates to be edited by the hour.
9. Allow a minimum time purchase to be set.
10. Configure length of time the audible alarm will sound.
11. Set the start of a day.
12. Allows for an option to print/not print receipts.
13. Set a maximum number of tickets to be sold in a day.
14. Set an amount that no bills above that amount will be accepted.
15. Set the maximum amount of money that will be accepted.
16. Select what to do during a printer error.

17. Set/modify credit card parameters to include: Enable/not enable credit cards, accept/not accept American Express, MasterCard and Visa, accept/not accept a credit card when off-line, set minimum/maximum credit amounts and set a default amount.
18. Accommodate a minimum of 50 spaces per machine.
19. Vary rates by stall range.
20. Set an expiration window to show expired/going to expire stalls, on enforcement reports.
21. Set an enforcement access code.
22. Set an inactivity time-out for the backlight/overhead light.
23. Select, allow/not allow customers to extend time.
24. Modify the printed receipts.
25. Set an "out of service" phone number.
26. Preset charge for special rates.
27. Does not allow for user manipulation of audit historical data without an audit trail of manipulation.

Machines must be fully programmable. Field programming is to be accomplished by CMB staff, using any of the following for all parameter changes:

- EPROM replacement
- Wireless two way transmission
- Hand held using a standard serial port and PDOT IR protocol all remote programming must be allowed using standard communication protocol.
- Machines must have built-in diagnostic software that records dates and "time stamps" all operations events (unit failures, resets, low battery, etc) for reports to the command center. Upon cycling through the diagnostic mode, Machines shall be able to update the display status; display appropriate messages, and send diagnostic reports to the communication center. Self-diagnostic mode shall be interrupted if a higher priority task is queued (a customer at the unit paying for parking has the highest priority). Self-diagnostic results can optionally be sent to the communication center.
- The system will report the status of each machine to a central server indicating status and alarm conditions (maintenance needs and out-of-order conditions). The communications system shall also provide real-time notification of collections, maintenance, alarms, revenues, and individual patron transactions to the City of Miami Beach. The City of Miami Beach shall be able to modify rates and hours of operation via the communication software and upload this new configuration to individual meters or any combination of networked meters.

The system communications software should:

1. Be adequately secure for transmission of Credit Card data and password protected.
2. Communications software includes the following options, dial modem, hang-up modem, and wait for call, receive/send audit commands and lot functions.
3. Access to vital communications areas are password protected.
4. All system phone numbers are held in a phone directory for ease of accessing phone numbers.
5. Has the ability to hang up the modem via the communications software.
6. Able to set software to a wait incoming calls from a remote site.
7. Able to process all transactions, and backup, exception log, diagnostics.

8. Records security information to include: - Door open/door closed, "Cash container in", "cash container out". Date, time and machine number is recorded with each entry.
9. Maintain a log of all transactional events. The log information includes: Individual purchases, receipt numbers generated, power outages, system restarts.
10. Communications software is able to receive processor configuration tables.
11. Communications software is able to set and send configuration tables and diagnostic levels.
12. Communications software is able to send a bad credit card file to update credit cards that are to be rejected.
13. Communications software is able to set the date and time.
14. Communications software is able to add time to a selected stall.
15. Communications software is able to check the status of a selected stall.
16. Communications software is able to view network status and indicate which terminals are currently on-line or off-line.
17. Communications software is able to remotely monitor the following areas, status, cash box, audit, power, and version.
18. Communications software is able to view the current audit totals and current grand totals to include: cash, credit, cash card and overpayment.
19. Communications software is able to view the current status of the following items:
    a. Bill Acceptor: "disabled", "jammed"/ "not jammed"
    b. Bill Stacker: "full"/ "not full"
    c. Coin Acceptor: "enabled"/"disabled" and "jammed"/"not jammed"
    d. Card Reader: "present"/"not present"
    e. Cash Container: "installed"/"not installed"
    f. Door: "open"/"closed"
    g. Lock: "open"/"closed"
    h. Power status
    i. Alarms

BB. Environmental Tests

The Pay Station Machines must survive a rugged and intense environment, as they will be mounted outside in a variety of climates. Machines proposed shall detail the following test described in the Environments section

1. Operation at high temperature (thermal cycle).
2. Operation at cold temperature (Thermalcycle).
3. Thermal shock.
4. Salt spray.
5. Rain.
6. Humidity.
7. Vibration.

8. Force required to move machine from mounts.

9. Electrical charges from unnatural sources that exceed 5 volts.

CC. Coin Collection

Sealed coin compartments shall allow the coins to drop into a locked collection canister. Unlocking the lower vault door with an approved key and removing and replacing the collection container shall accomplish coin collections. If enabled by CMB, an automatic audit report shall print out with each collection. The collector shall not have access to the coins during the collection process. The minimum coin capacity should be $600.

DD. Price List

A price list for all spare parts for every component of the machine shall be provided to CMB.

EE. Maintenance

Machines shall be constructed so that individual components can be easily removed and sub-assemblies be changed without major dismantling. Respondent should provide training on the procedures of changing and replacing of sub-assemblies. Modules shall be replaced with minimum use of tools. Respondents shall provide a recommended maintenance schedule for at least a five-year period. The City of Miami Beach will contact references for evaluation of each Respondents' maintenance record. Respondent shall provide full training of software application and usage to the City of Miami Beach Parking Director.

FF. Delivery and Installation

Packaging and shipment shall be the responsibility of the manufacturer. Proposals shall include freight and be FOB destination. Delivery shall be made to the designated address within Sixty (60) calendar days following execution of the contract. Installation shall be completed by the successful Respondent within fifteen (15) days following delivery of the units or as specified by the City of Miami Beach and shall be closely coordinated with the City of Miami Beach. In the event that the delivery and/or installation of units are not completed according to the City of Miami Beach specifications, the City of Miami Beach will impose liquidated damages in the amount of Five Hundred dollars ($500) per unit per day. Respondents shall include a description of any pre-installation and/or installation work to be completed by the City of Miami Beach.

GG. System Implementation

The system shall include all hardware and software required for communicating with, programming or monitoring any of the supplied units. It is the Respondent's responsibility to incorporate all of the above and to establish the communications between the units and the communications center. The wireless two-way communication system may be provided directly by the vendor or in partnership with a wireless system vendor. Respondents shall explain how the entire system will be deployed and who is responsible for maintaining the

various components.

HH. Parts

Machines shall have internal components designed as interchangeable modular parts. Respondents shall explain what tools, if any, are needed to replace modular components.

CMB requires Respondents to provide a ratio of particular spare components per active pay station. All replacement components shall be readily available from a local distributor. In the event that the local distributor is temporarily out of any component, additional components shall be available within twenty-four (24) hours.

II. Installation

All materials, parts and supplies necessary for the units and system installation and training shall be furnished by Respondents and included in the Proposal.

JJ. Subsequent System Maintenance

Respondents shall provide to CMB a schedule of individual component pricing, including a pricing discount on all maintenance and repair materials, parts and supplies, and a residual value on modular components returned for repair or remanufacture.

KK. Technical Support

Respondents shall have technician support readily available from a local distributor, capable of handling unit repair and programming who must respond within twenty-four (24) hours if the need arises. "Local" is defined as close enough to the City of Miami Beach to provide twenty-four (24) hour responses to software and hardware requests. In addition, the vendor must have a toll free number support for troubleshooting both software and hardware. In addition to phone support, the vendor must have an up-to-date web site with all information available to the CMB. Any software and hardware backups needed shall be available within twenty-four (24) hours. All operating manuals that support installation, maintenance and user information, complete with wiring diagrams and specifications shall be in English.

LL. Training

The successful Respondent shall provide a minimum of eighty (80) hours of training at a designated CMB facility for each CMB designated employee to develop expertise in the maintenance and repair of their product, including, but not limited to:

1. Installation
2. Maintenance
3. Troubleshooting repairs
4. Operations – programming, inventory
5. Collections

Respondents shall provide a thorough outline of the training content and provide a training schedule for both software and hardware. The schedule shall include periodic refresher

training (continuing education) including, but not limited to, emphasis on particular areas of the CMB's choice and upgrades of software and/or hardware.

MM. Warranty

Respondents must guarantee, for a period of five (5) years from the date of installation, to repair and/or replace any part or modular component determined to be defective in material or workmanship under normal use and service at no additional cost to the CMB. Respondents shall also provide the CMB free of charge with any new software releases for a period of five (5) years. The local distributor shall maintain an adequate supply of replacement components (e.g. cutters, card readers, etc) on site at the City of Miami Beach Parking Department. Payment and warranty provisions for replacement components shall apply from the date of installation of the module. Any module installed shall begin its warranty period from the date of installation. Respondents must provide Battery Warranty, in writing. Respondents must also provide price list for all parts.

IV. OPTIONAL EQUIPMENT

I. Gated Arm System:

Respondents who can provide a Pay Station system that is connected to, and/or can interface with a gated arm system would be considered. These Machines must be able to manage a minimum of 100 spaces.

The Gated Arm System should include:

A. PAY-ON-FOOT STATION
1. Bank note acceptor (5 denominations), valid for the following country: USA.
2. Coins acceptor (5 denomination)
3. Ticket scanner
4. Hoppers for change c/w lid and lock
5. (1) note safe c/w lid and lock
6. (1) coin safe c/w lid and lock
7. Lost ticket feature
8. Central management control and real time monitoring
9. Communication card to control peripherals
10. Local maintenance and control function via service card
11. Audit ticket and on-site statistics
12. Makes change and prints receipt
13. Language choice (English, Spanish)
14. Windows 2000 Professional

Communications Options
1. Phone line (DATA) communication module and 56k modem
2. Wireless or phone line communication kit for Pay On Foot station

B. EXIT TERMINAL

Basic Unit

1. Patron LCD display (2 lines 40 character each)
2. Push button (for ticket)
3. Cabinet with internal ventilation
4. Universal PC board logic and control
5. Keyboard for local maintenance and diagnostics
6. "Exit" application software (basic unit)
7. Autonomous operation protection

Communication Options

1. Communication card
2. Phone line (DATA) communication module and 56k modem
3. Wireless communication kit for exit terminal

C. ENTRY TERMINAL

Basic Unit

1. Industrial thermal printer (5000 tickets capacity)
2. Patron LCD display (2 lines 40 character each)
3. Push button (for ticket)
4. Cabinet with internal ventilation
5. Universal PC board logic and control
6. Keyboard for local maintenance and diagnostics
7. "Entry" application software (basic unit)
8. Autonomous operation protection (does not require Central link)

Communication Options

1. PCI 485 communication card (Handheld computer)

D. BARRIER GATE

Basic Unit

1. Open / close / stop internal push button controller
2. Control from management station
3. Steel cabinet with lock
4. 10 feet wooden arm with 3M reflecting black/safety yellow band
5. (2) 24V vehicle detectors

Options

Auto-reverse mechanism (electronic)

The requested e-cash smart card program should be designed to provide the following benefits to the CMB, its constituents and its partners:

- Increase the efficiency of the entire parking operations.
- Provide customers with a more convenient payment mechanism.
- Improve the customer parking experience.
- Establish an interoperable platform for the CMB and its partners to provide additional customer services.
- Create the basis for a regional transportation smart card solution
- Further enhance the image of the CMB and its partners as technology innovators.

II. Future Modes of Payment

The e-cash system should have the required security, audit capabilities and clearing functionality enabling it to be used by the CMB. That system should be an open-intersector design, comply with all available standards, contain a high degree of security and scalability, and include support for multiple applications on a single card. This new system will supplement and must be integrated into the multi-space parking devices selected by the CMB.

The proposed system must employ a SAM-based approach for securing e-cash and encrypton keys. In addition, preference will be given to any e-cash system successfully deployed in an "on/off-street-parking device" in the U.S.

1. Future modes of payment

   A. PDA
   B. Cell Phone
   C. Electronic purse. In future applications, the Vendor's smart card should also conform to prEN 1546, payment specification for financial transaction integrated circuit applications, EN 726-3 file management commands standard, and Europay, MasterCard and Visa's EMV standard. The smart card integrated circuits should have at least an 8-bit microprocessor, and have at least 4K of storage.

2. Purchase magnetic stripe, bar code, and/or smart cards from the vendor.
3. Card reconciliation
   A. Company as direct provider, or
   B. Company subcontracts with partner
4. Remote payment – pay for space at a different unit to be interconnected so a customer may pay at any Machine at any On- Street or Off-Street location
5. Coordinate operations for various payment modes to be used in On-Street, Off-Street and transit.

III. Customer Instruction Speaker

The speaker, if equipped, shall be protected within the housing. It shall have "off", "on" and "adjustable volume" controls. Voice controls should be prompted by machine use, transaction cancellation and help button.

It should also offer Audible command:

A. Messages to assist the public using the unit
B. Programmable messages, transmitted via two-way communication
   a. General greeting
   b. Special event

IV. Other optional equipment

1. Ability to print and read bar code information.
2. Expand utilization of wireless two-way communication:
   A. Communication with the Parking Enforcement hand-held using the two-way communication built into the unit.
3. Equipped with all accessories (hardware and software) required to make the conversion from one configuration to another (e.g. pay and display to pay by space or gated arm system).
4. On line, real time mapping of units with status indicators (e.g. GIS map of the City, displaying unit locations and status – normal, warning or alarm).
5. Pay stations as information kiosks, with a design and configuration to provide services and integrated with vendor software.
   A. Providing directions and map displays, perhaps built into or affixed to the housing.
   B. Public/private benefits (e.g. advertising sponsorship discretely placed on the Machine ties in with local business).
   C. Event ticketing, restaurant reservations, etc.

Respondents who provide optional features must explain how their company and products are situated to provide support and development services that will help the City realize its vision of integrated service delivery using pay stations, language changes by customer and "default to English" after transaction is completed.

Bid Sheet Information Required:

Respondents will be required to provide the following appropriate costs:

1. Multi-Space-Pay-Stations without modems and hubs.

   Cost for 250 solar configured pay-and-display multi-space pay-stations as specified above:

   Cost for 250 AC powered configured pay and display multi-space-pay-stations as specified above:

2. Recommended Spare Parts for Item No.1 above (List and total):
3. Unit cost for installation (if not included above):
4. Total cost of on-site personnel training (if not included above):
5. Cost of service contracts, if purchased:
6. Cost of reconfiguring meters to pay-by-space or pay-on-foot, including hardware and software:
7. Cost of software required to operate and maintain the system, which is not noted previously in the specifications of this RFP.
8. Variances to Specification (if any):

Credit for CMB Existing Single-Space and/or Multi-Space Meters:

If the City of Miami Beach is to proceed with the purchase of multi-space pay stations, this would result in the displacement of approximately 2,000 single space electronic meter mechanisms (POM) and 26 multi-space meters (Schlumberger). Respondents must propose a per unit value to be credited towards the purchase of new multi-space pay-stations for each of the single space and/or multi-space meters described above. The City of Miami Beach reserves the right to accept the credit for all or any portion of the total number of units stated above.

Evaluation Criteria:

The following weighted factors will be the criteria utilized by the evaluation committee to assess the proposals:

Factors:	**Weight**
Experience and Past Performance Service Providers shall indicate names, addresses of and telephone numbers of at least three (3) clients or firms for whom they currently supply or supplied services similar to those specified herein, and three (3) trade references.	20%
Compliance with General and Technical Specifications	30%
Technical Support	15%
Cost Effectiveness of Proposal	25%
Financial Stability Proposer must attach copies of financial statements for the last three years, preferably audited. If audited financial statements are unavailable, include an explanation as to why they were not available.	10%

Term of Agreement

The Contract shall be effective for a period of three (3) years, commencing on the date of the execution of the Contract with the Successful Proposer, with two one-year options to renew on a year-to-year basis, at the sole discretion of the City of Miami Beach. The City of Miami Beach may cancel this contract for any reason in its sole discretion.

Payment

Payments for Equipment or Services received shall be made within 30 working days of receipt of the specific Equipment or Service.

Service Provider Qualification

An inspection of the Service Provider's facilities and/or equipment may be made prior to the selection of the Successful Proposer. All prices in any Proposals shall include all freight, taxes, insurance, social security, and workers compensation insurance.

Proposals will only be considered from Service Providers who are regularly engaged in the business of providing the Services, and who can provide proof that they have established a satisfactory record of performance for a reasonable period of time and that they have sufficient financial support, equipment and organization to ensure that they can satisfactorily execute the Services if awarded the Contract (at the sole discretion of the City of Miami Beach).

Examination of Work Locations

Each Service Provider is encouraged, prior to submitting a Proposal, to inspect the work locations and to acquaint itself with the needs and requirements of the Service. The Service Provider is further required to carefully examine the specifications and to inform itself thoroughly, regarding any and all conditions and/or requirements that may in any manner affect the Services. No allowances will be made because of lack of knowledge of these conditions.

CONCLUSION:

In conclusion, the Administration recommends that the Mayor and City Commission authorize the issuance of a request for proposals for the procurement and installation of new multi-space [parking] pay stations for the Parking Department.

JMG/CMC/SF
F:\PING\$ALL\SAUL\COMMRESO\parkingsoftwarerfp.cme.doc

RESOLUTION NO._____

A RESOLUTION OF THE MAYOR AND CITY COMMISSION OF THE CITY OF MIAMI BEACH, FLORIDA, AUTHORIZING THE ISSUANCE OF A REQUEST FOR PROPOSALS (RFP) FOR THE PROCUREMENT AND INSTALLATION OF NEW MULTI-SPACE [PARKING] PAY STATIONS.

WHEREAS, the Parking Department has field tested the multi-space pay station technology for a period of 90 days with a leader in the industry (Schlumberger) at no cost to the City; and

WHEREAS, this new technology has received a public acceptance rating averaging 76% over single space parking meters; and

WHEREAS, this technology provides increased customer convenience via multiple payment options, including coins, bills, credit cards, and debit cards; and

WHEREAS, the 90 day test period yielded an increase in revenue of 16.9% as compared to the same period in the prior year and there are operational cost savings achieved through more efficient collection services and maintenance; and

WHEREAS, there are improved aesthetics for both on-street and off-street applications as street furniture is reduced by placing one pay station as opposed to single space meter posts; and

WHEREAS, the Administration has developed the scope of work, technical specifications, system requirements, and assessed numerous products currently on the market in order to formulate a comprehensive package to address all needs; and

WHEREAS, the TPC (Transportation and Parking Committee) endorsed the multi-space pay station technology at the May 13, 2003 Committee Meeting.

NOW, THEREFORE, BE IT DULY RESOLVED BY THE MAYOR AND CITY COMMISSION OF THE CITY OF MIAMI BEACH, FLORIDA that the Mayor and City Commission, upon recommendation of the Administration, herein approve the issuance a Request for Proposals (RFP) for the procurement and installation of new multi-space [parking] pay stations.

PASSED AND ADOPTED this_____ day of _____, 2003

_____
MAYOR

ATTEST:

_____
CITY CLERK

JMG/CMC/SF
F:\PING\$ALL\SAUL\COMMRESO\multispacemeterrfp.res

APPROVED AS TO
FORM & LANGUAGE
& FOR EXECUTION

City Attorney 5-13-03 Date